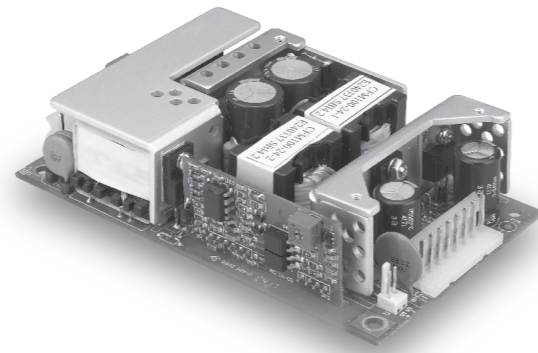


CFM100

S E R I E S

100 WATT OPEN FRAME AC-DC MODULES WITH PFC



Features

- Universal Input Range 90-264VAC
- 3" x 5" Size
- Industry Standard Pin Out
- Efficiency to 88%
- Meets EN61204-3 Class B and CISPR/FCC Class B, Conducted
- Continuous Short Circuit Protection
- Over Voltage Protection

MODEL	OUTPUT VOLTAGE	MAX. LOAD	MIN. LOAD	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION	%EFF.
CFM100S050	5 V	20 A	0A	2%	± 1%	± 0.5%	± 1%	85% Typ.
CFM100S090	9 V	11.2 A	0A	1%	± 1%	± 0.5%	± 1%	88% Typ.
CFM100S120	12 V	8.4 A	0A	1%	± 1%	± 0.5%	± 1%	88% Typ.
CFM100S150	15 V	6.7 A	0A	1%	± 1%	± 0.5%	± 1%	88% Typ.
CFM100S180	18 V	5.6 A	0A	1%	± 1%	± 0.5%	± 1%	88% Typ.
CFM100S240	24 V	4.2 A	0A	1%	± 1%	± 0.5%	± 1%	88% Typ.
CFM100S480	48 V	2.1 A	0A	1%	± 1%	± 0.5%	± 1%	88% Typ.

Specifications

INPUT SPECIFICATIONS:

Voltage90 ~ 264Vac
 Frequency47 to 63Hz
 Inrush Current.....80A max. @240Vac
 Conducted EMI.....CISPR/FCC Class B
 IsolationInput to output =4,242VDC
 Leakage Current.....3.5mA max

OUTPUT SPECIFICATIONS:

Holdup Time20ms typ. @115Vac
 Short Circuit ProtectionContinuous
 Over Voltage Protection.....Auto Recovery

ENVIRONMENTAL CHARACTERISTICS:

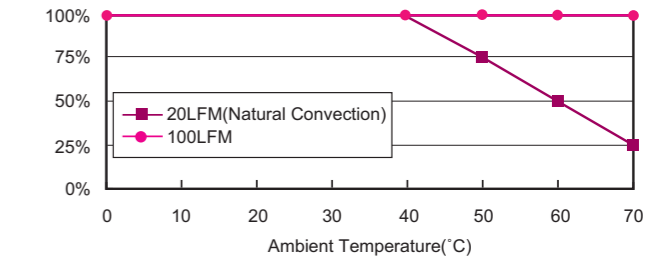
Operating Temperature0 ~ 40°C
 Storage Temperature-20 ~ 85°C
 Cooling.....Natural Convection

MECHANICAL CHARACTERISTICS:

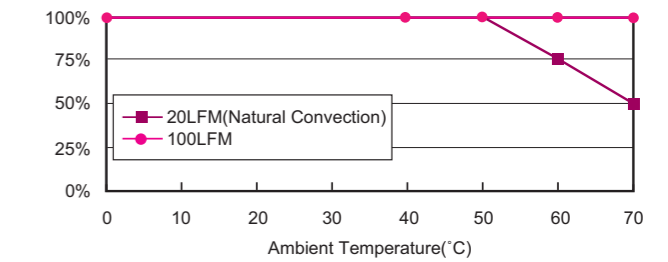
Dimensions 127.00 x 76.20 x 34.00mm(5.000 x 3.000 x 1.339Inches)
 Weight385g (0.85Pounds)

CFM100 Series Derating Curve

CFM100S050, 100S090, 100S280, 100S480



CFM100S120, 100S150, 100S180, 100S240

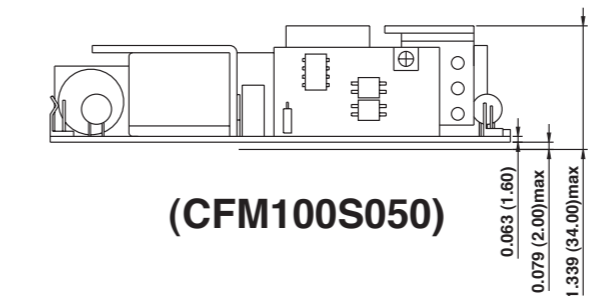
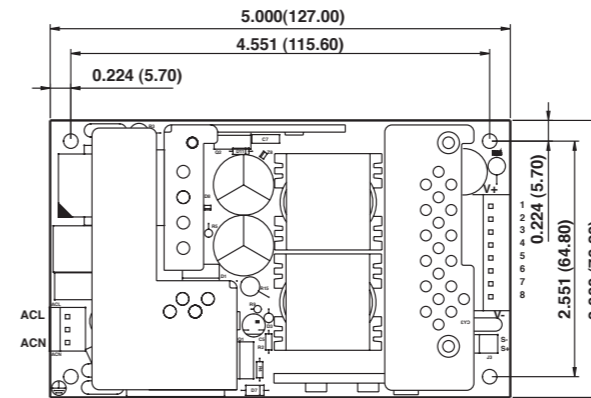


NOTE:

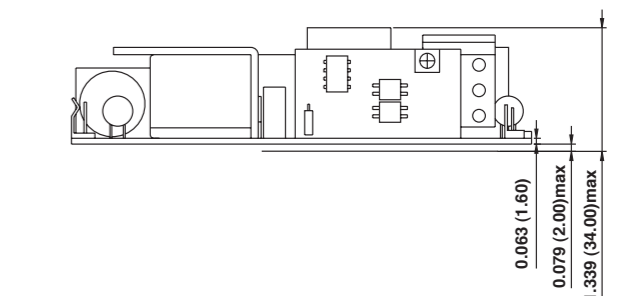
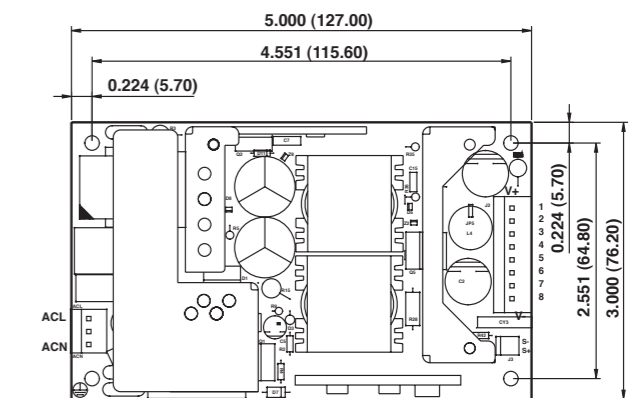
1. CFM 100S05/090/120: Add a 0.1µF ceramic capacitor and 220µF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW. Other Model: Add a 0.1µF ceramic capacitor and a 10µF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
2. Line regulation is measured from High Line to Low Line with full load.
3. Load regulation is measured from Full to 10% load.
4. Dimensions tolerance : +/- 1mm
5. Connectors: AC input : Molex 5277 or equivalent
DC output : Molex 5273 or equivalent
6. DC output pin 1,2,3,4 : Vout (+)
DC output pin 5,6,7,8 : Vout (-)

CFM100 Series

All Dimensions In Inches(mm)
 Tolerance Inches: x.xxx= ±0.02
 Millimeters: x.xx= ±0.5



(CFM100S050)



Typical at 25°C, nominal line and 75% load, unless otherwise Specified